

RAW SEQUENCE LISTING

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Information Center (STIC) no errors detected.**

Application Serial Number: 10/511, 455
Source: PCT
Date Processed by STIC: 11/28/2005

ENTERED



PCT

RAW SEQUENCE LISTING DATE: 11/28/2005
PATENT APPLICATION: US/10/511,455 TIME: 15:39:25

Input Set : A:\9013.63 Sequence Listing CRF.TXT
Output Set: N:\CRF4\11282005\J511455.raw

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3 <110> APPLICANT: Pickard, Benjamin Simon
4 Blackwood, Douglas
5 Porteous, David
6 Muir, Walter John
7 Mors, Ole
8 Ewald, Henrik Lykke
10 <120> TITLE OF INVENTION: SCHIZOPHRENIA ASSOCIATED GENES
12 <130> FILE REFERENCE: 9013.63
14 <140> CURRENT APPLICATION NUMBER: US 10/511,455
15 <141> CURRENT FILING DATE: 2004-10-05
17 <150> PRIOR APPLICATION NUMBER: PCT/GB03/001543
18 <151> PRIOR FILING DATE: 2003-04-07
20 <150> PRIOR APPLICATION NUMBER: GB0207902.8
21 <151> PRIOR FILING DATE: 2002-04-05
23 <150> PRIOR APPLICATION NUMBER: GB0207904.4
24 <151> PRIOR FILING DATE: 2002-04-05
26 <150> PRIOR APPLICATION NUMBER: GB0207900.2
27 <151> PRIOR FILING DATE: 2002-04-05
29 <150> PRIOR APPLICATION NUMBER: GB0207901.0
30 <151> PRIOR FILING DATE: 2002-04-05
32 <150> PRIOR APPLICATION NUMBER: GB0227734.1
33 <151> PRIOR FILING DATE: 2002-11-28
35 <160> NUMBER OF SEQ ID NOS: 94
37 <170> SOFTWARE: PatentIn version 3.1
39 <210> SEQ ID NO: 1
40 <211> LENGTH: 4773
41 <212> TYPE: DNA
42 <213> ORGANISM: Homo sapiens
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49 cccttggaaatg aaataaataaa ataaaagaccg taagtgtcga gatagcgggc cccaagatat 180
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59 gcgcgcctca gtgtcctccc acgcgcctct gccttccagc ctccctccctt tttcggggggg 480
61 ctggcggag gcatccaagg cacgatgtat gtgcgcgtcgc gctcgcgcaa atacggccgg 540
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67 agggggcgcc cggccgcggc gcccgcaccc cggggcctgg cccgcacccat gggcttcgag 720
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77	gacgcgcgcg	gctgcggccg	ggtgttcaag	ctgcagcagc	tgccggagca	cctcgagcgc	1020
79	tgcgacttcg	cgtttgcgcg	ctgtcgccac	gcgggttgcg	gccagggtct	gtgcggcgc	1080
81	gacgtggagg	cgcacatgcg	cgacgcgtgc	gacgcgcggc	cagtggcccg	ctgcccaggag	1140
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93	accaaaagtc	tgactcttgc	cctgcatcg	gactccggct	ccctggatt	caatattatt	1500
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105	gaacatatac	tggccctcac	taagatgtcc	tctccctggcc	caccctgtct	ggatccctat	1860
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131	ttcatttcgg	ccgactgcac	ggacgcccac	tacccgggaa	tccctgggaa	cgagtgcgag	2640
133	cgcttccgcg	agctccttgc	gctcaagtgc	caggttgc	gcccaccc	ttacggcctg	2700
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145	cgcagcaccc	cgctcaccct	ggagatcttcc	cccgacaact	ccttgaggag	agcggcgagg	3060
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149	tccaaatgc	tgcttccat	cacggaaat	cccggatgtt	gcacccctac	ctatagcccg	3180
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155	cactcccat	acaagcacgc	gcacatcccg	gcgcacgc	agcactacca	gagctacatg	3360
157	cagctgtatcc	agcagaatgc	ggccgttgc	tacgcgc	gccagatgt	cctggatgt	3420
159	atgttgcagg	accttgcac	tcccaaccct	tcggagccgc	gatggatgt	gaagggttgc	3480
161	atccgcagcg	acgggacgc	ctacatcac	aagaggccc	tgccggacc	cctgtgcgg	3540
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165	agcgagatga	agatggggcg	ctactggac	aaggaggaga	ggaaggcaca	cctggatgt	3660
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169	gagcagcaag	cagccgtat	caggaaggag	atgttgc	ccacaacttgc	ccacaaaaag	3780

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177	aattcctgcc	tcgttcaatg	cgccaagttt	ttgtatataa	gataagtacg	gtcttcatgt	4020										
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181	agagagaaaa	acacccttac	tatcttggaa	ggcaatatta	acaaacagag	ctttttcaa	4140										
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218						20			25				30				
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222						35			40				45				
225	Glu	Gly	Ser	Cys	Pro	Ala	Arg	Cys	Arg	Gly	Arg	'Leu	Ser	Ala	Lys	Glu	
226						50			55				60				
229	Leu	Asn	His	Val	Leu	Pro	Leu	Lys	Arg	Leu	Ile	Leu	Lys	Leu	Asp	Ile	
230						65			70				75			80	
233	Lys	Cys	Ala	Tyr	Ala	Thr	Arg	Gly	Cys	Gly	Arg	Val	Val	Lys	Leu	Gln	
234							85			90				95			
237	Gln	Leu	Pro	Glu	His	Leu	Glu	Arg	Cys	Asp	Phe	Ala	Pro	Ala	Arg	Cys	
238						100			105				110				
241	Arg	His	Ala	Gly	Cys	Gly	Gln	Val	Leu	Leu	Arg	Arg	Asp	Val	Glu	Ala	
242						115			120				125				
245	His	Met	Arg	Asp	Ala	Cys	Asp	Ala	Arg	Pro	Val	Gly	Arg	Cys	Gln	Glu	
246						130			135				140				
249	Gly	Cys	Gly	Leu	Pro	Leu	Thr	His	Gly	Glu	Gln	Arg	Ala	Gly	Gly	His	
250						145			150				155			160	
253	Cys	Cys	Ala	Arg	Ala	Leu	Arg	Ala	His	Asn	Gly	Ala	Leu	Gln	Ala	Arg	
254							165			170				175			
257	Leu	Gly	Ala	Leu	His	Lys	Ala	Leu	Lys	Glu	Ala	Leu	Arg	Ala	Gly		
258							180			185				190			
261	Lys	Arg	Glu	Lys	Ser	Leu	Val	Ala	Gln	Leu	Ala	Ala	Gln	Leu	Glu		
262							195			200				205			
265	Leu	Gln	Met	Thr	Ala	Leu	Arg	Tyr	Gln	Lys	Phe	Thr	Glu	Tyr	Ser		

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274	245	250	255
277	Gly Ser Leu Gly Phe Asn Ile Ile Gly Gly Arg Pro Ser Val Asp Asn		
278	260	265	270
281	His Asp Gly Ser Ser Ser Glu Gly Ile Phe Val Ser Lys Ile Val Asp		
282	275	280	285
285	Ser Gly Pro Ala Ala Lys Glu Gly Gly Leu Gln Ile His Asp Arg Ile		
286	290	295	300
289	Ile Glu Val Asn Gly Arg Asp Leu Ser Arg Ala Thr His Asp Gln Ala		
290	305	310	315
293	Val Glu Ala Phe Lys Thr Ala Lys Glu Pro Ile Val Val Gln Val Leu		320
294	325	330	335
297	Arg Arg Thr Pro Arg Thr Lys Met Phe Thr Pro Pro Ser Glu Ser Gln		
298	340	345	350
301	Leu Val Asp Thr Gly Thr Gln Thr Asp Ile Thr Phe Glu His Ile Met		
302	355	360	365
305	Ala Leu Thr Lys Met Ser Ser Pro Ser Pro Pro Val Leu Asp Pro Tyr		
306	370	375	380
309	Leu Leu Pro Glu Glu His Pro Ser Ala His Glu Tyr Tyr Asp Pro Asn		
310	385	390	395
313	Asp Tyr Ile Gly Asp Ile His Gln Glu Met Asp Arg Glu Glu Leu Glu		400
314	405	410	415
317	Leu Glu Glu Val Asp Leu Tyr Arg Met Asn Ser Gln Asp Lys Leu Gly		
318	420	425	430
321	Leu Thr Val Cys Tyr Arg Thr Asp Asp Glu Asp Asp Ile Gly Ile Tyr		
322	435	440	445
325	Ile Ser Glu Ile Asp Pro Asn Ser Ile Ala Ala Lys Asp Gly Arg Ile		
326	450	455	460
329	Arg Glu Gly Asp Arg Ile Ile Gln Ile Asn Gly Ile Glu Val Gln Asn		
330	465	470	475
333	Arg Glu Glu Ala Val Ala Leu Leu Thr Ser Glu Glu Asn Lys Asn Phe		480
334	485	490	495
337	Ser Leu Leu Ile Ala Arg Pro Glu Leu Gln Leu Asp Glu Gly Trp Met		
338	500	505	510
341	Asp Asp Asp Arg Asn Asp Phe Leu Asp Asp Leu His Met Asp Met Leu		
342	515	520	525
345	Glu Glu Gln His His Gln Ala Met Gln Phe Thr Ala Ser Val Leu Gln		
346	530	535	540
349	Gln Lys Lys His Asp Glu Asp Gly Gly Thr Thr Asp Thr Ala Thr Ile		
350	545	550	555
353	Leu Ser Asn Gln His Glu Lys Asp Ser Gly Val Gly Arg Thr Asp Glu		560
354	565	570	575
357	Ser Thr Arg Asn Asp Glu Ser Ser Glu Gln Glu Asn Asn Gly Asp Asp		
358	580	585	590
361	Ala Thr Ala Ser Ser Asn Pro Leu Ala Gly Gln Arg Lys Leu Thr Cys		
362	595	600	605

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365 Ser Gln Asp Thr Leu Gly Ser Gly Asp Leu Pro Phe Ser Asn Glu Ser
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 369 Phe Ile Ser Ala Asp Cys Thr Asp Ala Asp Tyr Leu Gly Ile Pro Val
 370 625 630 635 640
 373 Asp Glu Cys Glu Arg Phe Arg Glu Leu Leu Glu Leu Lys Cys Gln Val
 374 645 650 655
 377 Lys Ser Ala Thr Pro Tyr Gly Leu Tyr Tyr Pro Ser Gly Pro Leu Asp
 378 660 665 670
 381 Ala Gly Lys Ser Asp Pro Glu Ser Val Asp Lys Glu Leu Glu Leu Leu
 382 675 680 685
 385 Asn Glu Glu Leu Arg Ser Ile Glu Leu Glu Cys Leu Ser Ile Val Arg
 386 690 695 700
 389 Ala His Lys Met Gln Gln Leu Lys Glu Gln Tyr Arg Glu Ser Trp Met
 390 705 710 715 720
 393 Leu His Asn Ser Gly Phe Arg Asn Tyr Asn Thr Ser Ile Asp Val Arg
 394 725 730 735
 397 Arg His Glu Leu Ser Asp Ile Thr Glu Leu Pro Glu Lys Ser Asp Lys
 398 740 745 750
 401 Asp Ser Ser Ser Ala Tyr Asn Thr Gly Glu Ser Cys Arg Ser Thr Pro
 402 755 760 765
 405 Leu Thr Leu Glu Ile Ser Pro Asp Asn Ser Leu Arg Arg Ala Ala Glu
 406 770 775 780
 409 Gly Ile Ser Cys Pro Ser Ser Glu Gly Ala Val Gly Thr Thr Glu Ala
 410 785 790 795 800
 413 Tyr Gly Pro Ala Ser Lys Asn Leu Leu Ser Ile Thr Glu Asp Pro Glu
 414 805 810 815
 417 Val Gly Thr Pro Thr Tyr Ser Pro Ser Leu Lys Glu Leu Asp Pro Asn
 418 820 825 830
 421 Gln Pro Leu Glu Ser Lys Glu Arg Arg Ala Ser Asp Gly Ser Arg Ser
 422 835 840 845
 425 Pro Thr Pro Ser Gln Lys Leu Gly Ser Ala Tyr Leu Pro Ser Tyr His
 426 850 855 860
 429 His Ser Pro Tyr Lys His Ala His Ile Pro Ala His Ala Gln His Tyr
 430 865 870 875 880
 433 Gln Ser Tyr Met Gln Leu Ile Gln Gln Lys Ser Ala Val Glu Tyr Ala
 434 885 890 895
 437 Gln Ser Gln Met Ser Leu Val Ser Met Cys Lys Asp Leu Ser Ser Pro
 438 900 905 910
 441 Thr Pro Ser Glu Pro Arg Met Glu Trp Lys Val Lys Ile Arg Ser Asp
 442 915 920 925
 445 Gly Thr Arg Tyr Ile Thr Lys Arg Pro Val Arg Asp Arg Leu Leu Arg
 446 930 935 940
 449 Glu Arg Ala Leu Lys Ile Arg Glu Glu Arg Ser Gly Met Thr Thr Asp
 450 945 950 955 960
 453 Asp Asp Ala Val Ser Glu Met Lys Met Gly Arg Tyr Trp Ser Lys Glu
 454 965 970 975
 457 Glu Arg Lys Gln His Leu Val Lys Ala Lys Glu Gln Arg Arg Arg Arg
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 461 Glu Phe Met Met Gln Ser Arg Leu Asp Cys Leu Lys Glu Gln Gln Ala

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:94; N Pos. 4,5

VERIFICATION SUMMARY DATE: 11/28/2005
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Input Set : A:\9013.63 Sequence Listing CRF.TXT
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L:5592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:0